Inundu is a multi-purpose electronics pod for airborne Electronic Warfare (EW) and Radar test evaluation (T&E) and training applications. The modular payload can be re-configured for various research, development, test, evaluation and training scenarios.

**Features**

**Inundu can be utilised for:**

- Evaluation of the performance of EW and Radar systems, by for instance simulating anti-ship missiles
- Training EW and Radar operators against airborne threats
- Acceptance testing of new systems
- System Research and Development (R&D)- from data capturing to flight testing of e.g. testing of airborne SAR payload
- Operational support for doctrine development and optimisation
Features

*Inundu is designed to:*

- Simulate high fidelity advanced radar sensors and platform self-protection systems
- Be highly platform independent - aerodynamically similar to a pod cleared for several platforms and electronically independent from the platform
- Interface with ground control stations to ensure the operator or trainer can achieve optimal impact
- Have very high programmability: the modular, interchangeable payload easily reconfigures to suit different requirements

Operation

Inundu interfaces to a base station via a telemetry link for in flight control. The pod also has a Global Positioning System (GPS) and Inertial Measurement Unit (IMU) on-board for scripted, way point programming of modes and techniques.

The payload is temperature controlled and isolated from shock and vibration, with a platform independent power supply. The simulator is based on high resolution Digital Radio Frequency Memory (DRFM), Radar Signal Processing (RSP), data capturing and RF technology developed at CSIR.

Our track record

Our Electronic Counter Measures (ECM) simulators, Digital Radio Frequency Memory (DRFM) kernels and radar signal processors are recognised as world class and utilised by several R&D, T&E and training institutions internationally.

Combining our long history in modelling and simulation, hardware in the loop capabilities and field test and evaluation facilities in both Radar and EW enables a deep understanding of systems interactions and client requirements.